

WEST Search History

09/80,620

DATE: Tuesday, October 21, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L6	L5 same l4	0	L6
L5	superoxide	2140	L5
L4	acridinium adj ester	76	L4
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L3	L2 same l1	9	L3
L2	superoxide	5945	L2
L1	acridinium adj ester	1068	L1

END OF SEARCH HISTORY

Re 09/800,670
U.S. 5879,888

XCS Service v1.00
con .dialog
9158046 COM

box200> enter system id

DIALOG INFORMATION SERVICES

PLEASE LOGON:

Last logoff: 12jun97 13:29:29

Logon file001 21jun97 07:46:26

ANNOUNCEMENT **** ANNOUNCEMENT **** ANNOUNCEMENT

***New: Global Mobility Database (File 64)

***New: Drugs of the Future (File 453)

***New: Advertiser & Agency Red Books: Advertisers (File 177)

***New: Advertiser & Agency Red Books: Agencies (File 178)

***New: Albuquerque Newspapers (File 929)

***New: (Gary) Post Tribune (File 536)

***New: The Macon Telegraph (File 539)

***New: The Aberdeen American News (File 576)

***New: (Myrtle Beach) The Sun News (File 788)

***New: The Bangor Daily News (File 532)

***New: The Bradenton Herald (File 684)

***New: Early Edition - Canada (File 601)

***New: New Zealand Newspapers (File 755)

***Reloaded and Enhanced: PAPERCHEM (Files 240, 840)

***Reloaded and Enhanced: FOODS ADLIBRA (File 79)

***Reloaded and Enhanced: Derwent World Patents Index (File 351)

***Enhanced: PHIND (Files 129, 130)

***Enhanced: Federal Research in Progress (Files 265, 266)

***Removed: Derwent World Patents Index (File 350); See Files 351, 352

***Removed: Tax Notes Today (File 650); See Files 790, 791, 792, 793

***Price Reduction: Adis R&D Insight (File 107)

FREE

***File 503, Nielsen Market Statistice/Canada--\$30 combined
connect time/output in June.

***File 13, Business & Management Practices--\$30 combined
connect time/output in June.

***DIALOG Select(SM), <http://dialogselect.krinfo.com> and
DIALOG(R)Web--free search and retrieval time June through August

***New York Times promotion postponed. Normal connect and output
charges apply in Files 471, 472, and 474.

***See HELP FREE for details

***GIVE US YOUR FEEDBACK! Complete the Customer Service Survey
on our Website (krinfo.com)

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<

>>> of new databases, price changes, etc. <<<

>>> Announcements last updated 19Jun97 <<<

*** File 166 is not working. ***

*** File 480 is not working. ***

*** File 540 is not working. ***

File 1:ERIC 1966-1997/May
(c) format only 1997 Knight-Ridder Info

Set Items Description

--- -----

? b 411

21jun97 07:46:34 User208670 Session D385.1

\$0.06 0.002 Hrs File1
\$0.06 Estimated cost File1
\$0.01 FTSNET
\$0.07 Estimated cost this search
\$0.07 Estimated total session cost 0.002 Hrs.
File 411:DIALINDEX(R)

DIALINDEX(R)

(c) 1997 Knight-Ridder Info

*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***
? sf allscience

You have 147 files in your file list.

(To see banners, use SHOW FILES command)

? s superoxide and flavin and acridinium

Your SELECT statement is:

s superoxide and flavin and acridinium

Items	File
-----	----
Examined 50 files	
1	340: CLAIMS(R)/US PATENTS ABS_1950-1997/MAR
1	347: JAPIO_OCT 1976-1997/JAN.(UPDATED 970527)
Examined 100 files	
1	348: EUROPEAN PATENTS FULLTEXT_1978-1997/JUN W2
1	351: DERWENT WPI_1963-1997/UD=9724;UP=9721;UM=9717
1	653: US Pat.Fulltext_1980-1989
4	654: US PAT.FULL._1990-1997/Jun 17

6 files have one or more items; file list includes 147 files.

? rf

Your last SELECT statement was:

S SUPEROXIDE AND FLAVIN AND ACRIDINIUM

Ref	Items	File
----	-----	----
N1	4	654: US PAT.FULL._1990-1997/Jun 17
N2	1	340: CLAIMS(R)/US PATENTS ABS_1950-1997/MAR
N3	1	347: JAPIO_OCT 1976-1997/JAN.(UPDATED 970527)
N4	1	348: EUROPEAN PATENTS FULLTEXT_1978-1997/JUN W2
N5	1	351: DERWENT WPI_1963-1997/UD=9724;UP=9721;UM=9717
N6	1	653: US Pat.Fulltext_1980-1989
N7	0	2: INSPEC_1969-1997/Jun W3
N8	0	5: BIOSIS PREVIEWS(R)_1969-1997/Jun W4
N9	0	6: NTIS_64-1997/Aug W1
N10	0	8: Ei Compendex(R)_1970-1997/Jul W3

6 files have one or more items; file list includes 147 files.

- Enter P or PAGE for more -

? save temp

Temp SearchSave "TD441" stored

? b n1:n6;exe

21jun97 07:47:38 User208670 Session D385.2

\$0.99 0.033 Hrs File411

\$0.99 Estimated cost File411

\$0.10 FTSNET

\$1.09 Estimated cost this search

\$1.16 Estimated total session cost 0.035 Hrs.

SYSTEM:OS - DIALOG OneSearch

File 654:US PAT.FULL. 1990-1997/Jun 17

(c) format only 1997 Knight-Ridder Info

*File 654: Reassignment data now current through 04/24/97.

Reexamination, extension, expiration, reinstatement updated weekly.

File 340:CLAIMS(R)/US PATENTS ABS 1950-1997/MAR

(c) 1997 IFI/Plenum Data Corp.
 *File 340: This file excluded from Web promotional offer
 File 347:JAPIO OCT 1976-1997/JAN.(UPDATED 970527)
 (c) 1997 JPO & JAPIO
 *File 347: Records current through Kokai Number 09-028100
 File 348:EUROPEAN PATENTS FULLTEXT 1978-1997/JUN W2
 (c) 1997 EPO
 *File 348: Fulltext data available through *1996*. See HELP NEWS348.
 Over 75% of 1986-1996 records are fulltext. 1997 forthcoming.
 File 351:DERWENT WPI 1963-1997/UD=9724;UP=9721;UM=9717
 (c)1997 Derwent Info Ltd
 *File 351: F351 excluded from Web promotional offer *** Reloaded
 See "HELP NEWS 351" for some FAQs. *** OnTap F280 is now reloaded
 File 653:US Pat.Fulltext 1980-1989
 (c) format only 1997 Knight-Ridder Info
 *File 653: Reassignment data now current through 03/04/97.
 Reexamination, extension, expiration, reinstatement updated weekly.

Set	Items	Description
---	-----	-----

Executing TD441

3966 SUPEROXIDE

3264 FLAVIN

1047 ACRIDINIUM

S1 9 SUPEROXIDE AND FLAVIN AND ACRIDINIUM

? t s1/ti,au,so/1-9

>>>Some display codes not found in file 654: SO

>>>Some display codes not found in file 348: SO

>>>Some display codes not found in file 653: SO

1/TI,AU,SO/1 (Item 1 from file: 654)

DIALOG(R)File 654:(c) format only 1997 Knight-Ridder Info. All rts. reserv.

ASSAYS UTILIZING SENSITIZER-INDUCED PRODUCTION OF DETECTABLE SIGNALS

INVENTOR(s): McCapra, Frank, Seaford, GB (United Kingdom).Great Britian

1/TI,AU,SO/2 (Item 2 from file: 654)

DIALOG(R)File 654:(c) format only 1997 Knight-Ridder Info. All rts. reserv.

PROCESS OF QUANTIFYING CELL NUMBER

INVENTOR(s): Roelant, Chris, Wilsele, BE (Belgium)

1/TI,AU,SO/3 (Item 3 from file: 654)

DIALOG(R)File 654:(c) format only 1997 Knight-Ridder Info. All rts. reserv.

CHROMATOGRAPHY APPARATUS

INVENTOR(s): Carbonell, Ruben G., 6105 Godfrey Dr., Raleigh, NC (North Carolina), US (United States of America), 27612
 Kilpatrick, Peter K., 5101 Huntingdon Dr., Raleigh, NC (North Carolina), US (United States of America), 27606
 Torres, Juan L., 1236 Teakwood Pl., Raleigh, NC (North Carolina), US (United States of America), 27606
 Guzman, Roberto, 2361 McMullan Cir., Raleigh, NC (North Carolina), US (United States of America), 27608

1/TI,AU,SO/4 (Item 4 from file: 654)

DIALOG(R)File 654:(c) format only 1997 Knight-Ridder Info. All rts. reserv.

PURIFICATION BY AFFINITY BINDING TO LIPOSOMES

INVENTOR(s): Kilpatrick, Peter K., Raleigh, NC (North Carolina), US (United States of America)

TERMINAL (ENTER 1, 2, 3, 4, OR ?):3p3.00

FILE 'USPAT' ENTERED AT 10:34:38 ON 11 MAR 1998

```

* * * * *
*           W E L C O M E   T O   T H E
*       U. S.   P A T E N T   T E X T   F I L E
* * * * *

```

```
=> s (superoxide or (diatomic(w)oxygen) or (oxygen(2w)(ion or anion)) or
hyperoxide or dioxygen) (50a)acridinium
2115 SUPEROXIDE
```

764 DIATOMIC
220792 OXYGEN
220792 OXYGEN
155958 ION
44237 ANION
21 HYPEROXIDE
199 DIOXYGEN
565 ACRIDINIUM

L1 2 (SUPEROXIDE OR (DIATOMIC(W)OXYGEN) OR (OXYGEN(2W)(ION OR AN
ION
)) OR HYPEROXIDE OR DIOXYGEN) (50A)ACRIDINIUM

=> d 1-2

1. 5,624,813, Apr. 29, 1997, NAD(P).sup.+ /NAD(P)H based
chemiluminescent diagnostics; Vijay K. Mahant, 435/28; 424/94.1 [IMAGE
AVAILABLE]

2. 5,340,714, Aug. 23, 1994, Use of nonmetallic tetrapyrrole molecules
and novel signal solutions in chemiluminescent reactions and assays;
George W. Katsilometes, 435/6; 252/700; 435/7.5; 436/91, 97, 518, 543
[IMAGE AVAILABLE]

=> d kwic 1-2

US PAT NO: 5,624,813 [IMAGE AVAILABLE]

L1: 1 of 2

SUMMARY:

BSUM(53)

The chemiluminescence-generating systems intended for use herein include
any that are catalyzed by a peroxidase and require **superoxide** anion
(O.sub.2.sup.-) (and/or hydrogen peroxide (H.sub.2 O.sub.2)). Typical
light-generating systems include, but are not limited to, luminol,
isoluminol, peroxyoxalate-fluorophore, **acridinium** ester, acridan,
hemin, naphthalene derivatives, such as 7-dimethylamino-naphthalene-1,2-
dicarbonic acid hydrazide and cypridina luciferin analogs, including
2-methyl-6-[p-methoxy phenyl]-3,7-dihydroimidazo[1,2-.alpha.]pyrazin-3-
one, 2-methyl-6-phenyl]-3,7-dihydroimidazo[1,2-.alpha.]pyrazin-3-one and
2-methyl-6-[p-[2-[sodium. . .

US PAT NO: 5,340,714 [IMAGE AVAILABLE]

L1: 2 of 2

SUMMARY:

BSUM(26)

A fourth aspect of the invention is a potassium **superoxide**
(KO.sub.2) chemiluminescent signal solution which when reacted with a
luminescent label produces chemiluminescence. The signal solution
comprises at a pH ranging from about 10.0 to about 14.0 an aqueous
solution of potassium **superoxide**. The preferred labels are the
acridinium derivatives, lucigenin, lucigenin derivatives, luciferin,
cyclic diacyl hydrazides, luciferin derivatives or a pteridine such as
hypoxanthine. With these preferred labels. . .

SUMMARY:

BSUM(27)

Trying 9351006...Open

Welcome to STN International! Enter x:x
LOGINID:sssptaul82cxs
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Feb 2 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Dec 19 Announcing STN Express 4.1 with Discover!
NEWS 3 Jan 5 TIFF Images Added to CAOLD File
NEWS 4 Mar 2 KKF Switches from German to English and Enhances
Thesaurus

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:27:37 ON 11 MAR 1998

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 10:27:55 ON 11 MAR 1998
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 9 MAR 98 HIGHEST RN 202289-89-2
DICTIONARY FILE UPDATES: 10 MAR 98 HIGHEST RN 202289-89-2

TSCA INFORMATION NOW CURRENT THROUGH JUNE 1997

Please note that search-term pricing does apply when conducting SmartSELECT searches.

=> s superoxide/cn

L1 1 SUPEROXIDE/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1998 ACS
 RN 11062-77-4 REGISTRY
 CN **Superoxide (8CI, 9CI)** (CA INDEX NAME)
 OTHER NAMES:
 CN Diat. oxygen ion(1-)
 CN Diatomic oxygen anion(1-)
 CN Diatomic oxygen ion(1-)
 CN Dioxygen anion radical
 CN Dioxygen ion(1-)
 CN Dioxygen radical anion
 CN Dioxygen(1-)
 CN Hyperoxide
 CN Molecular oxygen anion radical(1-)
 CN Oxide ion (O21-)
 CN Oxygen (O2-)
 CN Oxygen (O21-)
 CN Oxygen (O21-) ion
 CN Oxygen anion (O2-)
 CN Oxygen anion radical
 CN Oxygen anion radical (O2-)
 CN Oxygen anion(1-)
 CN Oxygen diatomic(1-)
 CN Oxygen dimer(1-)
 CN Oxygen ion (O2-)
 CN Oxygen ion(1-)
 CN Oxygen mol. ion(1-)
 CN Oxygen molecular ion(1-)
 CN Oxygen molecule ion (O2-)
 CN Oxygen molecule(1-)
 CN Oxygen, ion (O21-)
 CN Superoxide (O21-)
 CN Superoxide anion
 CN Superoxide anion radical
 CN Superoxide ion
 CN Superoxide ion (O2-)
 CN Superoxide ion radical (O2-)
 CN Superoxide O2-
 CN Superoxide radical anion
 CN Superoxide(1-)
 DR 12185-08-9, 15723-03-2, 71732-58-6, 74902-80-0, 80816-55-3
 MF O2
 CI COM, RIS
 LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BIOBUSINESS, BIOSIS, CA,
 CANCERLIT, CAPLUS, CASREACT, CEN, CIN, CJACS, CSNB, DETHERM*,
 EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, NIOSHTIC, PIRA, PNI,
 PROMT, TOXLINE, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)

O=O

13285 REFERENCES IN FILE CA (1967 TO DATE)
 125 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13300 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file ca

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY SESSION
5.00 5.15

FILE 'CA' ENTERED AT 10:28:24 ON 11 MAR 1998
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FILE COVERS 1967 - 10 Mar 1998 (980310/ED) VOL 128 ISS 11

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 11 and acridinium/ab,bi

13450 L1
488 ACRIDINIUM/AB
787 ACRIDINIUM/BI

L2 2 L1 AND ACRIDINIUM/AB,BI

=> d bib,ab 1-2

L2 ANSWER 1 OF 2 CA COPYRIGHT 1998 ACS

AN 118:120460 CA

TI Methods and apparatus for improved luminescence assays using particle concentration and chemiluminescence detection

IN Massey, Richard J.; Blackburn, Gary F.; Wilkins, Elizabeth W.; Shah, Haresh P.; Leland, Jonathan K.

PA Igen, Inc., USA

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

PI WO 9301308 A1 930121

DS W: AU, CA, JP, KR

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE

AI WO 92-US5788 920710

PRAI US 91-728093 910710

US 91-728194 910710

DT Patent

LA English

AB Methods and app. are described for performing a binding assay for an analyte of interest present in a sample. The methods include the steps of: forming a compn. contg. the sample, an assay-performance-substance which contains a component linked to a label compd. capable of chemiluminescing when triggered, and particles capable of specifically binding with the analyte and/or the assay-performance-substance; incubating the compn. to form a complex which includes a particle-labeled component; collecting the complex in a collection zone; introducing into the collection zone a trigger capable of triggering the label such that the label luminesces; and measuring the emitted luminescence to measure the presence of the analyte of interest in the sample. Various app. embodiments are described as well. A 1-step sepn. sandwich assay for TSH involved combining sample, LumaTag TSH **acridinium** ester-labeled antibody, and anti-TSH-Dynal particles and incubating